NT BOOK

ensions		Contents	Reference to last Measurement
Breadth 5	Depth 6	7	8
I. Bill		21098	
Vat		84391	
Roy		31647	
LWC		21098	
CBT		210	
		160344	

I st And Final Bill

Work code - 006-15-000029

Est cost Rs - 49.00 Lacs

Measurements continued from MB No: 1946 @ Page No: 194560

M. A. R. 57 (Rule 116)

Measurement Book

No. B

Serial No. .....

Name of Work Improvements to Roads and Drains at Left hand side & Government School (Chowdappa Lay out) From ..... To .....

Name of Contractor of nature of Agency Dasarahally in Ward No. 06 Bhatarayanapura Sub division

Date of commencement of work .....

350111

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Name & contractor.		V. CHANDRAPPA				BR-520 29-9-16
	SBR No: 90/2016-17, dated 28.9.2016		Dasarahally. B. Lane - 24.				
	Work order No.		BBMP/EE/BTP/WO/23/2016.17.				
1	Earth work in surface excavation in ordinary soil for levelling and lowering the ground manually (other than foundation & buildings culverts, road drains and trenches & pipe line and chases) and removing the excavated stuff to a						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	distance not exceeding 50 mtr and lift upto 1-00 m excavated surface levelled and neatly dressed dispose earth to be levelled after breaking & clods and neatly dressed as per specification. This day is recorded in Pre-measurements in MB No. 1946 vide page No 194538 to 194541 Rate 150:00					149.85 m^3	22477:50
(2)	Earthwork excavation for foundation & buildings cuttings water supply sanitary line and electrical conduits						

M.

rial No. .....

me of Work ..... F

me of Contractor of nature of Agency .....

te of commencement of work .....

ate	Full description, etc, of work	Numb
	2	3
	either in pits or in in hard soil not exce the bottom and sides soil clean from edges breaking & clods compa This day is recor vide page No. 194 Rate - 270:63	

BOOK

ns		Contents	Reference to last Measurement
eadth 5	Depth 6	7	8
nsv and lift up to 1-00 m			
d nearby dressed disposal			
aving & clods and nearby			
re-measurements in			
194538 to 194541			
		149.85 M^3	
			22477:50
ndation & switching chamber			
and electrical conduits			

M. A. R. 57 (Rule 116)
Measurement Book

No. B

350112

rial No. .....

me of Work ..... From..... To.....

me of Contractor of nature of Agency .....

te of commencement of work .....

ate	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	either in pits or in trenches 1-00 m sv and above in width in hard soil not exceeding 1-00 m in depth including dressing the bottom and sides of pits and trenches stacking the excavated soil clear from edges of excavation with lead up to 50 m as per breaking of clods complete as per specification.						
	This day is recorded in pre-measurements in MB No. 1946 vide page No.. 194541 to 194543						
						361.10 M^3	
	Rate. 270:63						97724:49

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(3)	Removing BS slab & drain and stacking etc. complete as per specification. This day is recorded in Pre-Measurement in MB no. 1946 vide page no. 194543 to 194547 Rate . 59 : 80/sq.m					2210.34 m^2	132178:33
(4)	Resixing stone slabs & drains and painting in cm 1: etc.. complete as per specification.						

M. A.
Mea

ial No. .....
ne of Work ..... From.
ne of Contractor of nature of Agency .....
e of commencement of work .....

te	Full description, etc, of work	Number
	2	3
	Quantity vide	
	Rate 73:99	
(5)	Providing Granite slabs and fixed in cement m etc.. complete 7.5 cms specification.	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
15)	Providing and applying primer coat from 7.5 to 9.8 and 9.8 to 12.2 kg per 10 sqm per surface to low and medium porosity respectively over prepared surface & granular base with cut back M.C. 70 or any other bitumen mixed with diesel at 10 kg per 10 sqm to be heated in bitumen boiler fitted with spray set including cost of all necessary labour complete as per specification. This day is recorded in pre-measurement in MB No. 1946 vide page no. 194556 to 194560 Rate. 65:88					5070.00 M²	334011:60

al No. .....

ne of Work .....

ne of Contractor of nature of Agency .....

e of commencement of work .....

te	Full description, etc, of work
	2
	Providing and lay 25 mm thick wr an average avg aggregates & speci binder at 4.5 to 5 % mix to work size bitumen with serv and alignment rec and tandem recers complete in all resp

OOK

	Depth 6	Contents 7	Reference to last Measurement 8
s		Cont from	7.5 to 9.8
r		surface & low and	
ng		over prepared surface	
ke		MC. 70 or any other	
g		10 kg per 10 sq m	
ed		with spray set incl	
mpl		ete as per specification	
e.		measurement is	
o.		194556 to 194560	
		5070.00 M	2
			334011:60

M. A. R. 57 (Rule 116)
Measurement Book

No. B

350123

rial No. .....

me of Work ..... From..... To.....

me of Contractor of nature of Agency .....

te of commencement of work .....

ate	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	6) Providing and laying semi dense bituminous concrete 25mm thick with 100-120 TPH batch type HMP producing an average output of 75 tonnes per hour using crushed aggregates of specified grading premixed with bituminous binder at 4.5 to 5% & mix and sheet transporting the hot mix to work site laying with a hydrostatic paver finisher with sensor control to the required grade and alignment rolling with smooth wheeled vibratory and tandem rollers to achieve the desired compaction and compacted in all respects as per compacted.						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	I st B. Cross -	1	15.00	$\frac{(5.90+5.20)}{2}$	x0.025	2.08	
		1	15.00	$\frac{(5.20+4.90)}{2}$	x0.025	1.89	
		1	15.00	$\frac{(4.90+5.10)}{2}$	x0.025	1.89	
		1	15.00	$\frac{(5.10+5.70)}{2}$	x0.025	2.03	
		1	15.00	$\frac{(5.70+4.80)}{2}$	x0.025	1.96	
		1	15.00	$\frac{(4.80+5.20)}{2}$	x0.025	1.87	
		1	15.00	$\frac{(5.20+5.10)}{2}$	x0.025	1.93	
		1	15.00	5.10	0.025	1.91	
		1	15.00	$\frac{(5.10+5.40)}{2}$	x0.025	1.96	

29/9

Site

M.B.

al No. .....

ne of Work ..... Fr

ne of Contractor of nature of Agency .....

e of commencement of work .....

e	Full description, etc, of work	Numb
	2	3
	Eregowda house road -	1
		1
		1
		1
		1
		1
		1

Site

29/9

M.B.

OK

Depth 6	Contents 7	Reference to last Measuremen 8
20)		
0.025	2.08	
7.90)		
0.025	1.89	
.10)		
0.025	1.89	
70)		
0.025	2.03	
1.80)		
0.025	1.96	
.20)		
0.025	1.87	
.10)		
0.025	1.93	
0.025	1.91	
40)		
0.025	1.96	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

350124

al No. .....
ne of Work ..... From..... To.....
ne of Contractor of nature of Agency .....
e of commencement of work .....

te	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Ereigowda house road - Cite	1	15.00	(5.40+5.50)/2	×0.025	2.04	
		1	5.50	(5.50+5.80)/2	×0.025	2.11	
		1	15.00	(4.50+5.0)/2	×0.025	1.78	
		1	15.00	(5.0+5.10)/2	×0.025	1.89	
	29/9	1	15.00	5.10	0.025	1.91	
		1	15.00	(5.10+5.20)/2	×0.025	1.93	
		1	15.00	(5.20+4.70)/2	×0.025	1.85	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	2nd B. Cross -	1	15.00	$\frac{(4.70+5.0)}{2}$	x 0.025	1.81	
		1	13.50	$\frac{(5.0+4.50)}{2}$	x 0.025	1.60	
		1	15.00	$\frac{(4.40+4.0)}{2}$	x 0.025	1.57	
		1	15.00	$\frac{(4.0+4.20)}{2}$	x 0.025	1.53	
	29/9	1	15.00	$\frac{(4.20+4.0)}{2}$	x 0.025	1.53	
	ಸ.ಇ. (ಪಾ.ಸಿ)	1	15.00	4.00	0.025	1.50	
		1	15.00	$\frac{(4.0+4.40)}{2}$	x 0.025	1.57	
		1	15.00	$\frac{(4.40+4.60)}{2}$	x 0.025	1.68	

al No. .....

ne of Work .....

ne of Contractor of nature of Agency .....

e of commencement of work .....

e	Full description, etc, of work
	2
	29/9 ಸ.ಇ. (ಪಾ.ಸಿ) 4th B. Cross

OOK

	Depth 6	Contents 7	Reference to last Measuremen 8
	(4.0+5.0) / 2 x 0.025	1.81	
	(4.50+4.50) / 2 x 0.025	1.60	
	(4.50+4.0) / 2 x 0.025	1.57	
	(4.50+4.20) / 2 x 0.025	1.53	
	(4.50+4.0) / 2 x 0.025	1.53	
	15.00 0.025	1.50	
	(4.50+4.40) / 2 x 0.025	1.57	
	(4.50+4.60) / 2 x 0.025	1.68	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

350125

ial No. .....

me of Work ..... From..... To.....

me of Contractor of nature of Agency .....

e of commencement of work .....

te	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
		1	15.00	(4.60+4.50) / 2	x 0.025	1.70	
		1	15.00	4.50	0.025	1.68	
		1	15.00	(4.50+4.60) / 2	x 0.025	1.70	
		1	15.00	(4.50+5.10) / 2	x 0.025	1.81	
		1	3.20	5.10	0.025	0.40	
	4 ^th B. Crack	1	15.00	(5.10+4.80) / 2	x 0.025	1.85	
		1	15.00	4.80	0.025	1.80	
		1	15.00	(4.80+4.85) / 2	x 0.025	1.80	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	15.00	(4.85+4.40)/2	x0.025	1.73	
		1	15.00	(4.40+4.10)/2	x0.025	1.59	
		1	15.00	(4.10+4.40)/2	x0.025	1.59	
		1	15.00	(4.40+5.0)/2	x0.025	1.76	
		1	15.00	5.00	0.025	1.87	
		1	15.80	5.00	0.025	1.97	
		1	15.00	(5.0+4.40)/2	x0.025	1.76	
		1	15.00	(4.40+4.20)/2	x0.025	1.61	
		1	15.00	(4.20+4.90)/2	x0.025	1.70	

Checked.

29/9

Cost only

A. Cross

erial No. .....

ame of Work .....

ame of Contractor of nature of Agency .....

ate of commencement of work .....

Date	Full description, etc, of work	N
	2	

Cost only

BOOK

ions		Contents	Reference to last Measureme
Breadth 5	Depth 6	7	8
(4.85+4.40)/2	x0.025	1.73	
(4.40+4.10)/2	x0.025	1.59	
(4.10+4.40)/2	x0.025	1.59	
(4.40+5.0)/2	x0.025	1.76	
5.00	0.025	1.87	
5.00	0.025	1.97	
(5.0+4.40)/2	x0.025	1.76	
(4.40+4.20)/2	x0.025	1.61	
(4.20+4.90)/2	x0.025	1.70	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

350126

ial No. .....

me of Work ..... From..... To.....

me of Contractor of nature of Agency .....

e of commencement of work .....

te	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
	2	Number 3	Length 4	Breadth 5	Depth 6	7	8
		1	13.00	(4.90+8.00)/2	x0.025	2.09	
		1	15.00	4.20	0.025	1.57	
		1	15.00	(4.20+4.80)/2	x0.025	1.68	
		1	15.00	(4.80+4.40)/2	x0.025	1.72	
	Cafe	1	15.00	(4.40+4.0)/2	x0.025	1.57	
	on	1	15.00	(4.0+4.20)/2	x0.025	1.53	
		1	8.70	(4.20+4.0)/2	x0.025	0.89	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	B. Cross -	1	15.00	$\frac{(4.40+4.20)}{2}$	x 0.025	1.61	
		1	15.00	$\frac{(4.20+4.30)}{2}$	x 0.025	1.59	
		1	15.00	$\frac{(4.30+4.40)}{2}$	x 0.025	1.63	
		1	15.00	$\frac{(4.40+4.60)}{2}$	x 0.025	1.68	
		1	15.00	$\frac{(4.60+5.0)}{2}$	x 0.025	1.80	
	Cste	1	15.00	$\frac{(5.0+4.70)}{2}$	x 0.025	1.81	
	ont	1	15.00	$\frac{(4.70+5.30)}{2}$	x 0.025	1.87	
		1	15.00	$\frac{(5.30+5.0)}{2}$	x 0.025	1.93	
		1	15.00	$\frac{(5.0+4.50)}{2}$	x 0.025	1.96	

erial No. .....
ame of Work .....
ame of Contractor of nature of Agency .....
ate of commencement of work .....

Date	Full description, etc, of work	N
	2	
	C. cross -	
	Cste	
	ont	
	Cross Road	

OOK

th	Depth 6	Contents 7	Reference to last Measuremen 8
	o+4.20) / 2 x0.025	1.61	
	o+4.30) / 2 x0.025	1.59	
	o+4.40) / 2 x0.025	1.63	
	o+4.60) / 2 x0.025	1.68	
	o+5.0) / 2 x0.025	1.80	
	o+4.70) / 2 x0.025	1.81	
	70+5.30) / 2 x0.025	1.87	
	30+5.0) / 2 x0.025	1.93	
	o+4.50) / 2 x0.025	1.96	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

350127

erial No. .....

ame of Work ..... From..... To.....

ame of Contractor of nature of Agency .....

ate of commencement of work .....

ate	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
		1	15.00	(4.50+4.80) / 2	x0.025	1.74	
		1	15.00	(4.80+4.60) / 2	x0.025	1.76	
		1	10.00	(4.60+4.70) / 2	x0.025	1.16	
	e. cross -	1	15.00	(4.40+4.30) / 2	x0.025	1.63	
	Side	1	15.00	(4.30+4.40) / 2	x0.025	1.63	
	on	1	16.60	(4.40+4.80) / 2	x0.025	1.90	
	Cross Road	1	15.00	4.60	0.025	1.72	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	15.00	(4.60 + 4.90)/2	x0.025	1.78	
		1	15.00	(4.90 + 4.20)/2	x0.025	1.70	
		1	15.00	(4.20 + 4.60)/2	x0.025	1.65	
		1	15.00	(4.60 + 4.50)/2	x0.025	1.70	
	Cross Road - Cste only	1	4.80	4.50	0.025	0.54	
		1	15.00	(4.50 + 4.60)/2	x0.025	1.70	
		1	15.00	4.60	0.025	1.72	
		1	15.00	(4.60 + 4.45)/2	x0.025	1.69	

Rase - 8694 = 49

BOOK

ns		Contents	Reference to last Measureme
eadth 5	Depth 6	7	8
60+4.90) / 2	x0.025	1.78	
.90+4.20) / 2	x0.025	1.70	
.20+4.60) / 2	x0.025	1.65	
1.60+4.50) / 2	x0.025	1.70	
4.50	0.025	0.54	
(4.50+4.60) / 2	x0.025	1.70	
4.60	0.025	1.72	
(4.60+4.45) / 2	x0.025	1.69	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

350128

al No. ..... From..... To.....

ne of Work .....

ne of Contractor of nature of Agency .....

e of commencement of work .....

e	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
		1	15.00	(4.45+4.55) / 2	x0.025	1.68	
	Side	1	15.00	(4.55+4.50) / 2	x0.025	1.69	
	only	1	4.00	4.50	0.025	0.45	
						126.90 m^3	
						126.75 m^3	
		Limited to Tender					
	Page 8694 = 49						1102026:60

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
17)	Lead for Disposal of Debris Shall be Paraque as Carage rates by Mechanical means including loading and unloading from 0.00 to 2.00 KM.						
	Quantity vide item no. (2)					361.10 M^3	22814
	Rate 63:18						
	Total Rs -						4551500 / 4551773
	Certificate. 1) Certified that the work done satisfac 2) This bill Amount has not been clai in any of Previous bill.						

AE 24.9.2016

AE 24.9.2016

28/9/2016

M. A. R.
Measu

ial No. .....
ne of Work ..... From.....
ne of Contractor of nature of Agency .....
e of commencement of work .....

te	Full description, etc, of work 2	Number 3
	Mariyammanpalayam Main Road	Kerb B
	L = 46.6m	C, cross D'
		L =

AE 24.9.2016

DK

Depth 6	Contents 7	Reference to last Measuremen 8
	shall be paraphe al meaning including to 2.00 CM.	
	361.10 M³	22814
	tal RS -	4551500 4551773
	e work done satisfac has not been clai s bill.	
	28/9/2016	

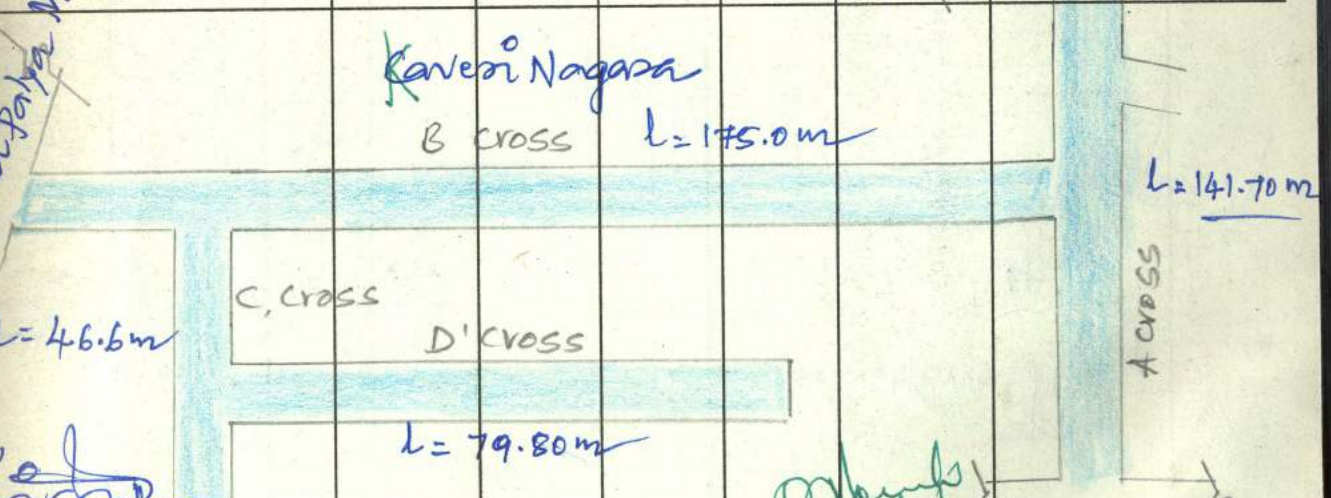
M. A. R. 57 (Rule 116)
Measurement Book

No. B

350129

rial No. .....
me of Work ..... From..... To.....
me of Contractor of nature of Agency .....
te of commencement of work .....

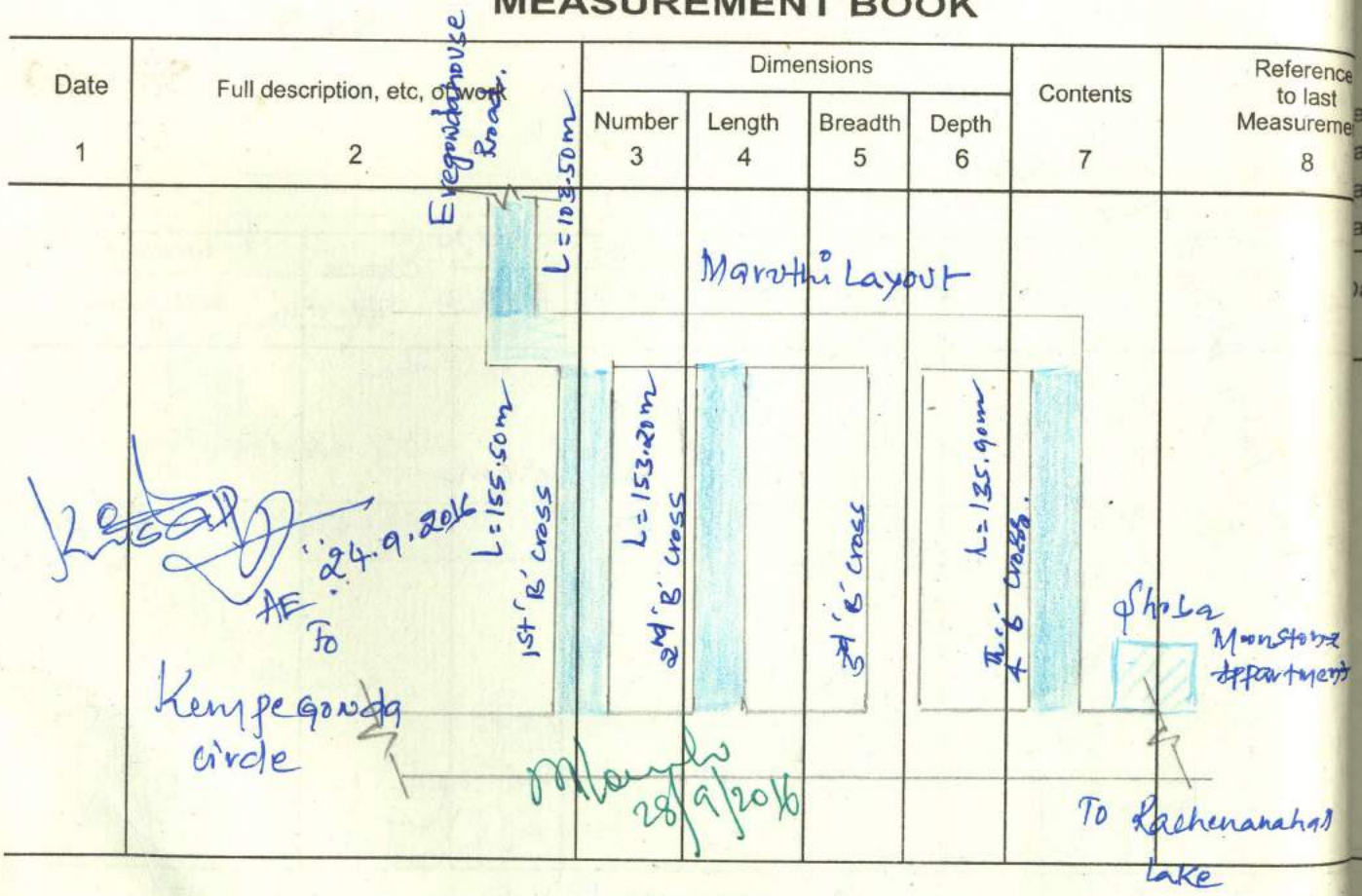
Date	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Mariyammanapalya Mainroad						



AE 24.9.2016 Mariyammanapalya 28/9/16

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8



AE 24.9.2016

Manu 28/9/2016

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .
Date of commencement of work .....

Date	Full description, etc, of work
	2

Audited & Admitted to Rs 42,05,83
and Rs 3A5932
Accts Sundi
Divate Avanapura Gn Bva
Sawar

NT BOOK

ensions		Contents	Reference to last Measureme
Breadth 5	Depth 6	7	8
thi Layout			
3rd 'B' Cross	L=135.90m 7th 'B' Cross 4 'B' Cross		
		Shola Monstone Department	
		To Kacherenahalli Lake	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

350130

rial No. .....

me of Work ..... From..... To.....

me of Contractor of nature of Agency .....

te of commencement of work .....

ate	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Audited & Admitted to Rs 4,05,837- and Rs 34593/- Accts Supdt Bangalore Dn Bangalore	4551773-		I Tax			45518-
				VAT			182071-
				Roy			68277-
				LWC			45518-
				CBT			4552-
							345936-
				24/X/16			